

IN THE ABSTRACT:

Replace the Abstract the new abstract set out in the attachment hereto.

ABSTRACT

A method and apparatus for digitizing a data signal. signal, the method comprising the steps of receiving an An input analog data signal, is received and split splitting the received input analog data signal into a plurality of split signals. signals, and mixing at At least one of the split signals is mixed with a predetermined periodic function with a predetermined frequency. The split signals are then digitized and combined mathematically to form a single output data stream that is a substantially correct representation of the original input signal.